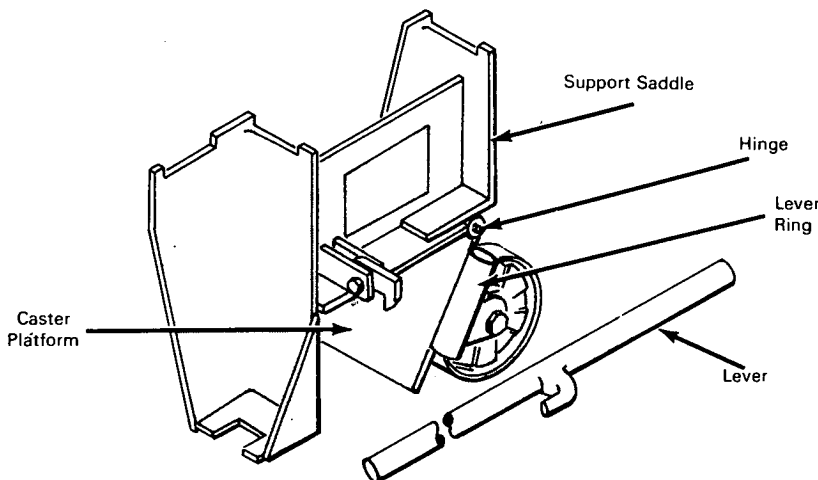


NASA TECH BRIEF



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Detachable Caster Adapter



Quick Detach Caster Adapter
For Moving Weld Tables

The problem:

To provide a convenient means of moving heavy welding tables in areas too congested for fork lift trucks.

The solution:

A detachable caster adapter that can be easily fitted to welding tables in a minimum amount of space.

How it's done:

The schematic figure of the adapter shows a support saddle, designed to fit the leg of a welding table. A swiveled caster is secured to the caster platform which is in turn secured to the support saddle by means of a hinge. After the adapter is put into a position flush against the leg and base of the table, engagement of the caster is accomplished by a lever inserted into a cylinder (lever ring) welded to the caster platform. Pushing down on the lever simultaneously raises the

table and forces the caster into position. A hook on the support saddle will secure the caster platform once it is in position. It is recommended that a C-clamp be fixed to the leg and support saddle to secure the adapter to the table.

Notes:

1. The design of the support saddle can be easily modified to fit leg configurations of other pieces of heavy equipment.
2. This item is a modification of retractable permanently attached casters now in commercial use.
3. Documentation is available from:
Clearinghouse for Federal Scientific
and Technical Information
Springfield, Virginia 22151
Price \$3.00
Reference: TSP69-10164

(continued overleaf)

Patent status:

No patent action is contemplated by NASA.

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